

CLAIM AMENDMENTS

1 1. (currently amended) A system for preventing
2 accidents in the operation of a monitored machine or apparatus
3 having first and second hand grips and adapted to be grasped by
4 respective hands of ~~carried by~~ a user, the system comprising:

5 a ~~t-least-one~~ user end device or terminal in the first
6 hand grip in direct contact with the ~~[[body]]~~ respective hand of
7 the user with output means for continuously or periodically
8 transmitting an authorizing user data signal through the body of
9 the user, and

10 at least one signal receiver assigned to the monitored
11 apparatus or machine and having

12 interface means in the second hand grip in contact
13 with the ~~[[body]]~~ respective hand of the user
14 for receiving the authorizing data signal
15 transmitted through the body of the user from
16 the first grip,

17 means for continuously or periodically testing the
18 received data signal,

19 means for outputting a clearance signal that allows
20 operation of the monitored machine or apparatus
21 after a successful test of the received
22 authorizing user data signal, and

23 means for terminating output of the clearance signal
24 following a successful test of the authorizing
25 user data signal when a subsequent test of the
26 data signal fails, whereby the monitored
27 machine or apparatus can only be operated when
28 held by the user with both hand grips.

1 2. (previously presented) The system according to claim
2 1 wherein the output means functions inductively or capacitively
3 through the body of the user.

1 3. (previously presented) The system according to claim
2 1 in which the output means of the user end device or terminal has
3 a contact region for direct coupling of the authorizing user data
4 signal to the body of the user or a signal output for transmitting
5 the authorizing data signal to a device directly connected with the
6 body of the user.

7 4. (previously presented) The system according to claim
8 1 in which the user end device or terminal is equipped and
9 programmed to transmit signals comprising a code giving
10 authorization to the user and control commands for controlling the
11 signal receiver.

1 5. (previously presented) The system according to claim
2 1 in which the interface means of the signal receiver comprises
3 contact-sensitive means for receiving the signals from the user end
4 device or terminal upon contact of the contact-sensitive means with
5 the user.

1 6. (previously presented) The system according to claim
2 1 in which the interface means of the signal receiver has inductive
3 or capacitive means for receiving the signals of the user end
4 device or terminal by means of inductive or capacitive signal
5 transmission.

1 7. (previously presented) The system according to claim
2 1 in which the means of the signal receiver for testing the
3 authorizing data signal comprise a correspondence register with at
4 least two storage or memory locations or data for testing the
5 authorizing data signal.

1 8. (previously presented) The system according to claim
2 1 wherein the signal receiver is equipped and programmed depending
3 upon the signal received from the user end device or terminal to
4 access data for testing the authorization data signal.

1 9. (previously presented) The system according to claim
2 1 wherein the user end device is arranged in or on protective
3 clothing.

10 - 14. (canceled)

1 15. (previously presented) Protective clothing with the
2 system of claim 1.

1 16. (currently amended) A [[a]] household appliance,
2 electric and mechanical tool, or machine tool with the system of
3 claim 1.

1 17. (previously presented) The system defined in claim
2 1, ~~further comprising: a~~ wherein one of the hand grips has having
3 a body including a hand grip outer surface
4 engageable by an inner surface of [[a]] the
5 respective hand of the user and having a
6 segment forming a hand rest for the respective
7 hand inner surface, and
8 in the region of the respective hand inner surface
9 at least one pressure-sensitive zone for
10 generating a signal indicating the hand grip
11 gripping state and constituting the authorizing
12 data signal.

1 18. (currently amended) The hand grip of claim 17
2 wherein the hand grip outer surface has a plurality of the
3 pressure-sensitive zones.

1 19. (previously presented) The hand grip according to
2 claim 17 wherein the pressure-sensitive zone forms part of a fluid
3 pressure chamber.

1 20. (previously presented) The hand grip according to
2 claim 19 wherein the pressure-sensitive zone is formed by an
3 elastically deformable pressure chamber wall.

1 21. (previously presented) The hand grip according to
2 claim 19 wherein the pressure chamber is filled with a liquid, gel
3 or gas.

1 22. (previously presented) The hand grip according to
2 claim 19 wherein the pressure chamber is coupled with a switch .

1 23. (previously presented) The hand grip according to
2 claim 19 wherein the pressure chamber is coupled with a pressure-
3 measurement device.

1 24. (previously presented) The hand grip according to
2 claim 17 wherein the hand grip in the region of the hand inner
3 surface rest has pressure-sensitive zones in the hand rest region
4 and in a finger inner surface rest region.

1 25. (previously presented) The hand grip according to
2 claim 17 wherein in the region of the hand grip a plurality of
3 individual finger inner surface pressure-sensitive zones are
4 provided.

1 26. (previously presented) The hand grip according to
2 claim 17, further comprising in the region of the hand grip an
3 orientation-detecting device.

1 27. (previously presented) The hand grip according to
2 claim 17 wherein the hand grip is a hand grip of a drill.

28. (canceled)

1 29. (previously presented) The hand grip according to
2 claim 1, wherein the output means is so configured that it effects
3 a signal coupling on the basis of electrostatic interaction.

1 30. (previously presented) The hand grip according to
2 claim 17, further comprising a signal-modulating device for the
3 modulation of the authorizing data signal.

1 31. (previously presented) The hand grip according to
2 claim 30, wherein the signal is so modulated that it contains a
3 data telegram.

32. (canceled)